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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: C. Thomas Caskey, John M. Shumaker and Andres Metspalu  
Application No.: 09/711,476 Group: 1637  
Filed: November 13, 2000 Examiner: J.N. Fredman  
Confirmation No.: 8353  
For: PARALLEL PRIMER EXTENSION APPROACH TO NUCLEIC ACID SEQUENCE ANALYSIS

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
May 6, 2005	Beverly Weinberger
Date	Signature
Beverly Weinberger	
Typed or printed name of person signing certificate	

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an Amendment After Final for filing in the above-identified application.

- Small entity status of this application under 37 C.F.R. 1.9 and 1.27 has been established by a Small Entity Statement previously submitted.
- A Small Entity Statement to establish small entity status under 37 C.F.R. 1.9 and 1.27 is enclosed.

**The claims fee has been calculated as shown below:**

					SMALL ENTITY		OTHER THAN SMALL ENTITY	
					RATE	ADDIT. FEE	RATE	ADDIT. FEE
TOTAL	12	MINUS	*	32	0		X \$25	\$
INDEP	2	MINUS	**	7	0		X \$100	\$
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM					+ \$180	\$	X \$50	\$
					TOTAL= \$ <u>      0      </u>		TOTAL= \$ <u>      0      </u>	

\* not fewer than 20

\*\* not fewer than 3

**The Application Size Fee has been calculated as shown below:**

(Effective for cases filed on or after December 8, 2004)

Actual Sheets (Including current amendment)	Highest No. of Sheets Paid For (At least 100)	No. of Additional Units Required (Increments of 50 sheets)	SMALL ENTITY		OTHER THAN SMALL ENTITY		Payment Sufficient for up to  [ ] Sheets
			Rate	Total Amount Owed	Rate	Total Amount Owed	
			X \$125	\$[ ]	X \$250	\$[ ]	

#### Petition for Extension of Time

- [ ] Applicant hereby petitions to extend the time to respond to the [ ] dated [ ] for [ ] month(s) from [ ] to [ ]. The appropriate fee is set forth below.
- [ ] [For action-specific language in an extension of time, go to insert, file, public folders, firm templates, and select the appropriate paragraph.]

**Please charge Deposit Account No. 08-0380 for the following fees:**

[ ] Petition for [        ] month Extension of Time	\$ _____
[ ] Claims Fee	\$ _____
[ ] Application Size Fee	\$ _____
[ ] Other Fees: _____ _____	\$ _____ \$ _____
	TOTAL: \$ <u>      0      </u>

**A check is enclosed in payment of the following fees:**

[ ] Petition for [        ] month Extension of Time	\$ _____
[ ] Claims Fee	\$ _____
[ ] Application Size Fee	\$ _____
[ ] Other Fees: _____ _____	\$ _____ \$ _____
	TOTAL: \$ <u>      0      </u>

- [X] Please charge any deficiency or credit any overpayment in the fees that may be due in this matter to Deposit Account No. 08-0380. A copy of this letter is enclosed for accounting purposes.

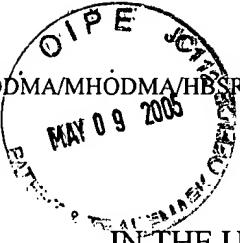
Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

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Dated: May 6, 2005



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May 6, 2005 Beverly Weinberger  
Date Signature

Beverly Weinberger  
Typed or printed name of person signing certificate

AMENDMENT AFTER FINAL REJECTION UNDER 37 C.F.R. § 1.116

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Amendment After Final Rejection is being filed in response to the Office Action mailed from the U.S. Patent and Trademark Office on March 8, 2005 in the above-identified application. Reconsideration and further examination are requested.

Please amend the application as follows: